

EQUIPMENT OPERATIONAL CAPABILITY
(EOC)
COMMON PROCESS MEETING
25-26 MAY 2004

Vandveer

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EQUIPMENT OPERATIONAL CAPABILITY (EOC)

- The following 4 EOC Definition slides were provided by Mr. Randy Bennett, Corona, as a result of the TSP Technical Advisory Group (TAG) meeting held 10-11 March 2004.
- This information was presented to and approved by the TSP/MRDB Board of Directors which met on 15 April 2004.
- The definitions specified will be carried forward by the TSP regardless of acceptance by the engineering community.
- Mr. Rodger Vandveer will coordinate with Mr. Ken Jacobs on the implementation of definitions and guidelines.

EOC* Alignment

- Navy wide adoption of EOC
- Requires common understanding of
 - What EOC is and isn't
 - What the value means
 - Degree of subjectivity
 - Terminology

*Equipment Operational Capability = A numeric value determined by a measured objective evidence of a ship component or system compared to a standard such as a design criteria or normal operating parameters.

EOC Alignment

- PROPOSED EOC

DEFINITION:	
EOC = 1.0	Fully Operable
EOC = .9	Operable
EOC = .8, .7	Minor Problems
EOC = .6, .5	Limited Capability*
EOC = .4, .3	Major Problems
EOC = .2, .1	Inoperative
EOC = 0.0	Totally
Inoperative	

* IN PLACE OF "REDUCED CAPABILITY"

EOC Alignment

- PROPOSED EOC ASSIGNMENT
GUIDELINES:

EOC = 1.0 FULLY OPERABLE

System or equipment capable of performing all required functions.

EOC = 0.9 OPERABLE

System or equipment capable of performing all required functions with minor discrepancies.

EOC = 0.8, 0.7 MINOR PROBLEMS

System or equipment functions when required without modification of operating instructions and procedures. Minor discrepancies are likely to impede function in the near term.

EOC Alignment

- PROPOSED EOC ASSIGNMENT GUIDELINES
(CONT'D)

EOC = 0.6, 0.5 LIMITED CAPABILITY

System or equipment is capable of performing intended functions, but not at full operational requirements, or not capable of performing required functions in all operating modes

EOC = 0.4, 0.3 MAJOR PROBLEMS

System or equipment cannot perform one or more intended functions. Functions may be restricted by time, environmental or operational conditions.

EOC = 0.2, 0.1 INOPERATIVE

System or equipment not capable of performing intended functions using posted operating procedures.

EOC = 0.0 TOTALLY INOPERATIVE

System or equipment not capable of delivering any functionality.

EQUIPMENT OPERATIONAL CAPABILITY (EOC)

- EOCs will be assigned by technicians to one significant digit at the equipment/component level. Rolled-up EOCs (system level EOC) may be expressed in two significant digits. Rolled-up EOC will be referred to as Equipment Index Value (EIV).

EQUIPMENT OPERATIONAL CAPABILITY (EOC)

- Attendees at TSP/MRDB Board of Directors meeting 15 April 2004 that supported EOC refinements as presented:
 - NAVSEA 05N
 - CAPT Stephen Metz
 - Rick Leeker
 - Pete Kristianson
 - Bob Steele
 - Representatives from Other Commands:
 - COMNAVSURFPAC/LANT
 - Fernando Guingab, N601
 - Jacki Gerber, N601
 - FTSCPAC/LANT
 - Freddie Camacho, C-090
 - Greg Ellson, 4210
 - NSWC Corona, QA33
 - Randy Bennett
 - Fred Frodesen
 - Timothy Mahar
 - David Grefe
 - Dean Buehler
 - Contractors
 - David Land, LCE
 - Bill Bay, CSC
 - Ron Walton, CSC